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Product Datasheet

SBI-553, CAS [[1849603-72-0]]

FBM-10-4449

Article Name	SBI-553, CAS [[1849603-72-0]]
Biozol Catalog Number	FBM-10-4449
Supplier Catalog Number	10-4449
Alternative Catalog Number	FBM-10-4449-5MG, FBM-10-4449-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	β-Arrestin-biased NTSR1 modulator...
Molecular Weight	450.56
Purity	>98% by HPLC NMR (conforms)
Form	Pale yellow solid
CAS Number	[1849603-72-0]
Formula	C26H31FN4O2
Application Notes	SBI-553 is a potent, brain penetrant, and orally bioavailable allosteric modulator of neuropeptide Y receptor 1 (NTSR1, EC50 = 340 nM). ¹ It acts as a β-Arrestin-biased agonist and selectively antagonizes G protein signaling conferring profound β-Arrestin bias towards the endogenous ligand. ^{2,3} SBI-553 displayed efficacy in mouse models of psychostimulant abuse without the characteristic undesirable side effects of unbiased NTSR1 agonism. This functionally selective modulation of NTSR1 may be a new therapeutic approach to treating psychostimulant abuse and other chemical and behavioral addictions.